The following listing represents the RTM database query that is used to extract the specified and currently existing MSS level 4 requirements from RTM MAIN BASELINE122195.

```
{ 1 }
 select
        <paragraph_id>PARAGRAPH_ID
        <release>RELEASE
        <requirement_key>REQUIREMENT_KEY
        <text>TEXT
        <req_type>REQ_TYPE
        <source_interface>SOURCE_INTERFACE
        <destination_interface>DESTINATION_INTERFACE
        <clarification>CLARIFICATION
        <relb_sec_no>RELB_SEC_NO

 from
        LEVEL_4

 where
        CURRENT_STATUS = 'Current'

AND
        (
            PARAGRAPH_ID LIKE 'C-MSS-51060'
        OR PARAGRAPH_ID LIKE 'C-MSS-51080'
        OR PARAGRAPH_ID LIKE 'C-MSS-51090'
        OR PARAGRAPH_ID LIKE 'C-MSS-51120'
        OR PARAGRAPH_ID LIKE 'C-MSS-51115'
        OR PARAGRAPH_ID LIKE 'C-MSS-52010'
        OR PARAGRAPH_ID LIKE 'C-MSS-78010'
        OR PARAGRAPH_ID LIKE 'C-MSS-78030'
        OR PARAGRAPH_ID LIKE 'C-MSS-78140'
        OR PARAGRAPH_ID LIKE 'C-MSS-78200'
        OR PARAGRAPH_ID LIKE 'C-MSS-78240'
        OR PARAGRAPH_ID LIKE 'C-MSS-78260'
        OR PARAGRAPH_ID LIKE 'C-MSS-78270'
        OR PARAGRAPH_ID LIKE 'C-MSS-78280'
        OR PARAGRAPH_ID LIKE 'C-MSS-78310'
        OR PARAGRAPH_ID LIKE 'C-MSS-78400'
        OR PARAGRAPH_ID LIKE 'C-MSS-78425'
        OR PARAGRAPH_ID LIKE 'C-MSS-78450'
        OR PARAGRAPH_ID LIKE 'C-MSS-78460'
        OR PARAGRAPH_ID LIKE 'C-MSS-78890'
        OR PARAGRAPH_ID LIKE 'C-MSS-79630'
        OR PARAGRAPH_ID LIKE 'C-MSS-79680'
        OR PARAGRAPH_ID LIKE 'C-MSS-79750'
```

```
            OR PARAGRAPH_ID LIKE 'C-MSS-79760'
            OR PARAGRAPH_ID LIKE 'C-MSS-79780'
            OR PARAGRAPH_ID LIKE 'C-MSS-79790'
            OR PARAGRAPH_ID LIKE 'C-MSS-79800'
            OR PARAGRAPH_ID LIKE 'C-MSS-79810'
            OR PARAGRAPH_ID LIKE 'C-MSS-79820'
            OR PARAGRAPH_ID LIKE 'C-MSS-79830'
            OR PARAGRAPH_ID LIKE 'C-MSS-79840'
            OR PARAGRAPH_ID LIKE 'C-MSS-79850'
            OR PARAGRAPH_ID LIKE 'C-MSS-79860'
            OR PARAGRAPH_ID LIKE 'C-MSS-79870'
            OR PARAGRAPH_ID LIKE 'C-MSS-79880'
            OR PARAGRAPH_ID LIKE 'C-MSS-79890'
             )

     AND
            RELEASE = 'B'
```

The following table represents the new MSS requirements that shall be added to RTM MAIN database.

L4 Rqt_Id	Rel	Rqt Key	Text	Rqt Type	Src Int	Dest Int	Clarification	Rel_B Sec_No
C-MSS-51115	B	n e w	The MSS Training Management Application Service shall make available to the MSS Inventory Management Service, any necessary information about training materials, for the purposes of maintaining these materials as inventory items.	functional	- - -	- - -		04.11.05
C-MSS-78425	B	n e w	The MSS BAAS Accounts Receivable (AR) function shall process refunds for data purchases returned by the user.	function al	- - -	- - -		04.11.03

The following table represents the MSS requirements that shall be deleted from the current RTM MAIN database.

L4 Rqt_Id	Rel	Rqt Key	Text	Req Type	Src Int	Dest Int	Clarification	Rel_B Sec_No
C-MSS-78280	B	7882	The MSS BAAS Billing & Invoicing function shall provide price estimation tables to value products and services to DSS.	interface	MSS	DSS		04.11.03
C-MSS-78890	B	7932	The MSS BAAS Accounts Payable (AP) function shall provide an on-line voucher approval process by M&O staff.	functional	---	---		04.11.03
C-MSS-79680	B	7969	The MSS BAAS General Ledger (GL) function provide a trial balance sheet.	functional	---	---		04.11.03
C-MSS-79750	B	7972	The MSS BAAS Cost Accounting function shall maintain authorized billing algorithms to value products and services, and the cost of serving users.	functional	---	---		04.11.03
C-MSS-79840	B	7980	The MSS BAAS Cost Accounting function shall have the capability to receive resource and product utilization information from the ECS Management Database to track costs to identifiable and quantifiable sources.	functional	---	---		04.11.03

| C-MSS-79870 | B | 7983 | The MSS BAAS Cost Accounting function shall provide reports identifying the costs incurred by ECS in support of its activities. | functional | --- | --- | | 04.11.03 |

The following table represents the MSS requirements that shall be modified in the current RTM MAIN database.

[In version (A) of CCR 96-0027, requirements C-MSS-79850 and 79860 have been added to the modified requirements table.]
[In version (B) of CCR 96-0027, requirements C-MSS-51060, 51080, and 51090 have been removed from the modified requirements table.]

L4 Rqt_Id	Rel	Rqt Key	Text	Rqt Type	Src Int	Dest Int	Clarification	Rel_B Sec_No
C-MSS-51120	B	7777	The MSS Training Management Service shall have the capability to schedule training events ~~via the MSS Planning and Scheduling Service~~.	functional	---	---		04.11.05
C-MSS-78010	B	7866	The MSS Billing/Accounting Application Service (BAAS) functional requirements shall ~~conform to~~ <u>be consistent with</u> the functional requirements defined by the Federal Financial Management System Requirements issued by the Joint Financial Management Improvement Program (JFMIP)	functional	---	---		04.11.03

C-MSS-78030	B	786 7	The MSS BAAS shall provide the following major functions: ~~request processing,~~ billing & invoicing, accounts receivable, accounts payable, collections, general ledger, cost accounting, and reporting.	function al	---	---		04.11.0 3
C-MSS-78140	B	787 2	The MSS BAAS Billing & Invoicing function shall apply any "pre-paid" amounts <u>already existing in an account</u> to current user account charges.	function al	---	---		04.11.0 3
C-MSS-78200	B	787 7	The MSS BAAS Billing & Invoicing function shall be capable of accessing account activity information from the ECS Management Database to price ~~account usage and purchases of ECS service products~~ <u>billable ECS data product request</u>.	function al	---	---		04.11.0 3
C-MSS-78240	B	787 9	The MSS BAAS Billing & Invoicing function shall collect science user activity information from the ECS Management Database ~~every 24 hours;~~ <u>daily</u>.	function al	---	---		04.11.0 3

C-MSS-78260	B	7880	The MSS BAAS Billing & Invoicing function shall have the capability to provide the capability to generate bill invoices in multiple billing cycles.	functional	---	---		04.11.03
C-MSS-78270	B	7881	The MSS BAAS Billing and Invoicing function shall make available to the DSS, pricing algorithms it maintains in standard pricing tables, for the purposes of price estimation.	interface	MSS	CLS DSS		04.11.04
C-MSS-78310	B	7884	The MSS BAAS Accounts Receivable (AR) function shall have the capability to reference all update transactions to the appropriate supporting documents or resources (e.g., billing invoice number).	functional	---	---		04.11.03
C-MSS-78400	B	7893	The MSS BAAS Accounts Receivable (AR) function shall accept purchase orders from users as form of payment.	functional	---	---		04.11.03
C-MSS-78450	B	7898	The MSS BAAS Accounts rReceivable (AR) function shall support automatic balancing of the accounts receivable master file.	functional	---	---		04.11.03

C-MSS-78460	B	7899	The MSS BASS Accounts Receivable (AR) shall monitor the aging of individual account receivables.	functional	---	---		04.11.03
C-MSS-79630	B	7964	The MSS BAAS General Ledger (GL) function shall use standardized transactions identified by reference codes to control transaction editing, posting, and updating of information ~~, such as documented balances and available funding~~.	functional	---	---		04.11.03
C-MSS-79760	B	7973	The MSS BAAS Cost Accounting function shall provide a trail to assign identifiable sources to all resource unit costs.	functional	---	---		04.11.03
C-MSS-79780	B	7974	The MSS BAAS Cost Accounting function shall provide the capability to assign resource unit costs to processes using authorized cost algorithms.	functional	---	---		04.11.03

C-MSS-79790	B	7975	The MSS BAAS Cost Accounting function shall provide the capability to assign resource unit costs to ECS products using authorized cost algorithms.	functional	---	---		04.11.03
C-MSS-79800	B	7976	The MSS BAAS Cost Accounting function shall provide the capability to assign resource unit costs to serve different users.	functional	---	---		04.11.03
C-MSS-79810	B	7977	The MSS BAAS Cost Accounting function shall provide the capability to establish historical accounts of resource unit costs assigned to individual users.	functional	---	---		04.11.03
C-MSS-79820	B	7978	The MSS BAAS Cost Accounting function shall provide the capability to establish historical accounts of resource unit costs assigned to user groups.	functional	---	---		04.11.03

C-MSS-79830	B	7979	The MSS BAAS Cost Accounting function shall provide the capability to establish historical accounts to track the <u>resource unit</u> costs assigned to different processes.	functional	---	---		04.11.03
C-MSS-79850	B	7981	The MSS BAAS Cost Accounting function shall have the capability to access resource <u>unit cost</u> ~~and product utilization~~ information from the ECS Management Database to determine costs consumed to serve different users.	functional	---	---		04.11.03
C-MSS-79860	B	7982	The MSS BAAS Cost Accounting function shall have the capability to access resource <u>unit cost</u> ~~and product utilization information~~ from the ECS Management Database to enable ECS to allocate costs to different processes and products.	functional	---	---		04.11.03

C-MSS-79880	B	7984	The MSS BAAS Cost Accounting function shall provide reports assigning resouce unit costs to identifiable processes sources.	function al	---	---		04.11.03
C-MSS-79890	B	7985	The MSS BAAS Cost Accounting function shall provide reports identifying resouce unit costs traceable to particular science users/groups.	function al	---	---		04.11.03

The NEW Level 4 Release B MSS requirements shall be linked to their corresponding RBR parent requirement. The links that are to be <u>CREATED</u> are:

[In version (A) of CCR 96-0027, nine additional L4-RBR links are shown. The additional level 4 in the link list are: C-MSS-{ 79780, 79790, 79800, 78270, 78810, 79880, 79890, 79850, and 79860 }].

L 4 Rqt_Id	RBR Parent
C-MSS-51115	SMC-2430#B
C-MSS-51115	SMC-8300#B
C-MSS-78425	SMC-6420#B
C-MSS-79780	SMC-6360#B
C-MSS-79790	SMC-6360#B
C-MSS-79800	SMC-6360#B
C-MSS-78270	SMC-6370#B
C-MSS-78810	SMC-6320#B
C-MSS-79880	SMC-8920#B
C-MSS-79890	SMC-8920#B

C-MSS-79850	SMC-6380#B
C-MSS-79860	SMC-6380#B

The DELETED Level 4 Release B MSS requirements shall have links deleted from their corresponding RBR parent requirement(s). The links that are to be <u>DELETED</u> are:

L 4 Rqt_Id	RBR Parent
C-MSS-78280	SMC-6370#B
C-MSS-78890	SMC-6320#B
C-MSS-79680	SMC-8920#B
C-MSS-79750	SMC-6360#B
C-MSS-79840	SMC-6380#B
C-MSS-70870	SMC-8920#B